



SILEX – Easy-to-Operate Mixed Bed

Top-Grade Demineralized Water

A SILEX plant produces demineralized water of the highest quality without chemical usage at the installation site.

Good Working Environment

The plant design and the off site regeneration both contribute to an optimum working environment. The operators do not get in contact with ion exchangers and the design and low weight of the tank ensure easy handling.

Application

The system is specially developed for users needing demineralized water of highest quality and who neither want to store nor handle regeneration chemicals (acid and lye) at the installation site.

The system is applicable for the following main purposes:

- Demineralization of mains water.
- Polishing/final treatment of demineralized water.

Typical Customer Groups

- Laboratories
- Photo-laboratories
- Printing firms
- Dentists, physicians, and pharmacies
- Schools, high schools etc.

Water Quality

Dependent on application the major part of the plant capacity has conductivities below 0,1 µS/cm.

Regeneration/Return System

The system is based on regeneration at local EUROWATER regeneration centre. At exhausted capacity the tank is sent to the regeneration centre. Here the resin will be regenerated and the tank is returned to the customer.



Quality Control

As a guarantee that the regeneration has been optimum each batch will be subject to a careful quality control prior to dispatch and the regeneration date will appear from the label on the tank.

Plant Construction

A complete plant is composed of a tank unit, an operating unit and a conductivity meter that continuously displays the conductivity.

The tank unit comprises a stainless steel tank (AISI 316Ti) with couplings. The operating unit consists of a PVC valve system protected by a stainless and easy-to clean cabinet.

The operating unit is easy to install and the valve system facilitates exchanges of tank.



Specifications

Type	Flow rate litres/h	Basic capacity* litres °GH	Diameter mm	Height mm	Transport weight kg
SILEX 11	240	12900	237	400	15
SILEX 21	420	22700	237	600	24

Inlet water pressure: Max. 6 bar. Water temperature: Max. 35°C.

* The capacity per regeneration is calculated by dividing the basic capacity by the salt content of the inlet water measured in equivalent hardness.